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Reply To: 3410 Date: January 10, 1994

Subject: Douglas-fir Tussock Moth Pheromone Detection Survey - 1993 Report (C94-1)

To: Forest Supervisors: Eldorado, Inyo, Lassen, Plumas, Modoc, Sierra, Stanislaus, Sequoia and Tahoe National Forests and Lake Tahoe Basin Management Unit

Enclosed are the results of the 1993 cooperative Douglas-fir Tussock Moth (DFTM) pheromone detection survey. Average trap catches for 1993 remained at low levels (Table 1.) throughout California. There were 143 plots (5 traps/plot) monitored this year. Of these, 135 plots (94%) had fewer than an average of 10 males per trap, and 71 plots (50%) caught no DFTM moths at all. There were no plots that had more than an average of 25 male moths per trap (considered the minimum number of moths for follow-up surveys). The DFTM plots in Modoc County which showed an increase in numbers of male moths last year returned to low levels this year. Based on the results of this survey, significant DFTM activity is not anticipated in Region 5 in 1994.

Sufficient trapping materials have been ordered for the detection trapping plots for 1994. They will be distributed to cooperators in June or July of this year. Please direct any questions to Sheri Smith or John Wenz at (209) 532-3671.

John Neisess, FPM Program Leader
State and Private Forestry

Enclosure

Table 1.

NUMBER OF DOUGLAS-FIR TUSSOCK MOTH PHEROMONE
DETECTION SURVEY PLOTS BY TRAP CATCH 1979-1993

Year	Total Number Plots	NUMBER OF PLOTS WITH AN AVERAGE MOTH CATCH PER TRAP OF:													
		0<10	10<20	20<25	25<30	30<35	35<40	40<45	45<50	50<55	55<60	60<65	65<70	70<75	75+
1979	102	97	2	1	1	0	1	0	0	0	0	0	0	0	0
	100%	95%	2%	2%	2%		2%								
1980	99	99	0	0	0	0	0	0	0	0	0	0	0	0	0
	100%	100%													
1981	93	78	10	4	1	0	0	0	0	0	0	0	0	0	0
	100%	84%	10%	4%	2%										
1982	95	93	1	0	1	0	0	0	0	0	0	0	0	0	0
	100%	98%	1%		1%										
1983	98	87	6	1	1	3	0	0	0	0	0	0	0	0	0
	100%	89%	6%	1%	1%	3%									
1984	111	51	18	11	5	7	8	4	3	4	0	0	0	0	0
	100%	46%	16%	10%	4%	6%	7%	4%	3%	4%	4%				
1985	105	58	14	4	7	6	5	1	2	4	1	2	0	1	0
	100%	55%	13%	4%	7%	6%	5%	1%	2%	4%	1%	2%		1%	
1986	107	64	16	4	8	6	1	3	0	1	0	1	1	1	1
	100%	60%	15%	94%	7%	6%	1%	3%		1%		1%	1%	1%	1%
1987	108	80	15	4	2	1	1	3	0	1	0	0	1	0	0
	100%	74%	14%	4%	2%	1%	1%	3%		1%			1%		
1988	124	106	9	3	3	0	2	1	0	0	0	0	0	0	0
	100%	86%	7%	2%	2%		2%	1%							
1989	130	129	1	0	0	0	0	0	0	0	0	0	0	0	0
	100%	99%	1%												
1990	138	135	1	0	1	1	0	0	0	0	0	0	0	0	0
	100%	97%	1%		1%	1%									
1991	143	135	4	1	0	0	2	1	0	0	0	0	0	0	0
	100%	94%	3%	1%			1%	1%							
1992	164	156	3	0	2	1	0	0	0	0	1	0	1	0	0
	100%	95%	1%		1%	1%					1%		1%		
1993	143	135	8	0	0	0	0	0	0	0	0	0	0	0	0
	100%	94%	6%												